

**PAID-UP
OIL & GAS LEASE**

Lease No 1-301607-000

08/08 NY

This Lease made this **1st day of March 2010** by and between **John R. Kallenborn and Mary E. Kallenborn husband and wife** whose address is **930 Watercure Hill Road Elmira, New York 14901** hereinafter collectively called Lessor and **CHESAPEAKE APPALACHIA L L C** an Oklahoma limited liability company 6100 North Western Avenue Oklahoma City Oklahoma 73118 hereinafter called Lessee

WITNESSETH that for and in consideration of One Dollar (\$ 1 00) and other good and valuable consideration the receipt and sufficiency of which is hereby acknowledged and of the mutual covenants and agreements hereinafter set forth the Lessor and Lessee agree as follows

LEASING CLAUSE Lessor hereby leases exclusively to Lessee all the oil and gas including but not limited to coal seam gas coalbed methane gas coalbed gas methane gas gob gas occluded methane/natural gas and all associated natural gas and other hydrocarbons and non hydrocarbons contained in associated with emitting from or produced/originating within any formation gob area, mined out area, coal seam and all communicating zones and their liquid or gaseous constituents whether hydrocarbon or non hydrocarbon underlying the land herein leased together with such exclusive rights as may be necessary or convenient for Lessee at its election to explore for develop produce measure and market production from the Leasehold and from adjoining lands using methods and techniques which are not restricted to current technology including the right to conduct geophysical and other exploratory tests to drill maintain operate cease to operate plug abandon and remove wells to use or install roads electric power and telephone facilities and to construct pipelines with appurtenant facilities including data acquisition compression and collection facilities for use in the production and transportation of products from the Leasehold or from neighboring lands across the Leasehold to use oil gas and non domestic water sources free of cost to store gas of any kind underground regardless of the source thereof including the injecting of gas therein and removing the same therefrom to protect stored gas to operate maintain repair and remove material and equipment

DESCRIPTION The Leasehold is located in the Town of **Horseheads** in the County of **Chemung** the State of **New York**, and described as follows

Tax Map Number **71 00 1-6** and is bounded formerly or currently as follows

On the North by lands of	Kevin Siuda
On the East by lands of	Monika Smith
On the South by lands of	Monika Smith
On the West by lands of	Watercure Hill Road

including lands acquired from **H. Crawford Hurley and Jane L. Hurley** by virtue of deed dated **July 31 1996** and recorded at **Fiche 616 Page 023d** and described for the purposes of this agreement as containing a total of **2 73** Leasehold acres whether actually more or less and including contiguous lands owned by Lessor This Lease also covers and includes in addition to that above described all land if any contiguous or adjacent to or adjoining the land above described and (a) owned or claimed by Lessor by limitation prescription possession reversion or unrecorded instrument or (b) as to which Lessor has a preference right of acquisition Lessor agrees to execute any supplemental instrument requested by Lessee for a more complete or accurate description of said land

LEASE TERM This Lease shall remain in force for a primary term of **Five (5) years** from **12 00 A M March 1 2010** (effective date) to **11 59 P M March 1 2015** (last day of primary term) and shall continue beyond the primary term as to the entirety of the Leasehold if any of the following is satisfied

- (i) operations are conducted on the Leasehold or lands pooled/unitized therewith in search of oil gas or their constituents or
- (ii) a well deemed by the Lessee to be capable of production is located on the Leasehold or lands pooled/unitized therewith or
- (iii) oil or gas or their constituents are produced from the Leasehold or lands pooled/unitized therewith or
- (iv) the Leasehold or lands pooled/unitized therewith is used for the underground storage of gas or for the protection of stored gas or
- (v) prescribed payments are made

If Lessee's operations are delayed postponed or interrupted as a result of any coal stone or other mining or mining related operation under any existing and effective lease permit or authorization covering such operations on the leased premises or on other lands affecting the leased premises such delay will automatically extend the primary or secondary term of this oil and gas lease without additional compensation or performance by Lessee for a period of time equal to any such delay postponement or interruption

If there is any dispute concerning the extension of this Lease beyond the primary term by reason of any of the alternative mechanisms specified herein the payment to the Lessor of the prescribed payments provided below shall be conclusive evidence that the Lease has been extended beyond the primary term

~~**EXTENSION OF PRIMARY TERM** Lessee has the option to extend the primary term of this Lease for one additional term of five (5) years from the expiration of the primary term of this Lease said extension to be under the same terms and conditions as contained in this Lease Lessee may exercise this option to extend this Lease if on or before the expiration date of the primary term of this Lease Lessee pays or tenders to the Lessor or to the Lessor's credit an amount equal to the initial consideration given for the execution hereof Exercise of this option is at Lessee's sole discretion and may be invoked by Lessee where no other alternative of the Lease Term clause extends this Lease beyond the primary term~~

NO AUTOMATIC TERMINATION OR FORFEITURE

(A) CONSTRUCTION OF LEASE The language of this Lease (including but not limited to the Lease Term and Extension of Term clauses) shall never be read as language of special limitation This Lease shall be construed against termination forfeiture cancellation or expiration and in favor of giving effect to the continuation of this Lease where the circumstances exist to maintain this Lease in effect under any of the alternative mechanisms set forth above In connection therewith (i) a well shall be deemed to be capable of production if it has the capacity to produce a profit over operating costs without regard to any capital costs to drill or equip the well or to deliver the oil or gas to market and (ii) the Lessee shall be deemed to be conducting operations in search of oil or gas or their constituents if the Lessee is engaged in geophysical and other exploratory work including but not limited to activities to drill an initial well to drill a new well or to rework stimulate deepen sidetrack frac plug back in the same or different formation or repair a well or equipment on the Leasehold or any lands pooled/unitized therewith (such activities shall include but not be limited to performing any preliminary or preparatory work necessary for drilling conducting internal technical analysis to initiate and/or further develop a well obtaining permits and approvals associated therewith and may include reasonable gaps in activities provided that there is a continuum of activities showing a good faith effort to develop a well or that the cessation or interruption of activities was beyond the control of Lessee including interruptions caused by the acts of third parties over whom Lessee has no control or regulatory delays associated with any approval process required for conducting such activities)

(B) LIMITATION OF FORFEITURE This Lease shall never be subject to a civil action or proceeding to enforce a claim of termination cancellation expiration or forfeiture due to any action or inaction by the Lessee including but not limited to making any prescribed payments authorized under the terms of this Lease unless the Lessee has received written notice of Lessor's demand and thereafter fails or refuses to satisfy or provide justification responding to Lessor's demand within 60 days from the receipt of such notice If Lessee timely responds to Lessor's demand but in good faith disagrees with Lessor's position and sets forth the reasons therefore such a response shall be deemed to satisfy this provision This Lease shall continue in full force and effect and no further damages (or other claims for relief) will accrue in Lessor's favor during the pendency of the dispute other than claims for payments that may be due under the terms of this Lease

PAYMENTS TO LESSOR In addition to the bonus paid by Lessee for the execution hereof Lessee covenants to pay Lessor proportionate to Lessor's percentage of ownership as follows

(A) DELAY RENTAL To pay Lessor as Delay Rental after the first year at the rate of **five dollars (\$5 00)** per net acre per year payable in advance **The parties hereto agree that this is a Paid Up Lease with no further Delay Rental and/or Delay in Marketing payments due to Lessor during the primary term hereof**

(B) ROYALTY To pay Lessor as Royalty less all taxes assessments and adjustments on production from the Leasehold as follows
1 **OIL** To deliver to the credit of Lessor free of cost, a Royalty of the equal one eighth (1/8) part of all oil and any constituents thereof produced and marketed from the Leasehold

2 **GAS** To pay Lessor an amount equal to one eighth (1/8) of the revenue realized by Lessee for all gas and the constituents thereof produced and marketed from the Leasehold less the cost to transport treat and process the gas and any losses in volumes to point of measurement that determines the revenue realized by Lessee Lessee may withhold Royalty payment until such time as the total withheld exceeds fifty dollars (\$50 00)

(C) DELAY IN MARKETING In the event that Lessee drills a well on the Leasehold or lands pooled/unitized therewith that Lessee deems to be capable of production but does not market producible gas oil or their constituents therefrom and there is no other basis for extending this Lease Lessee shall pay after the primary term and until such time as marketing is established (or Lessee surrenders the Lease) a Delay in Marketing payment equal in amount and frequency to the annual Delay Rental payment, and this Lease shall remain in full force and effect to the same extent as payment of Royalty

(D) SHUT IN In the event that production of oil gas, or their constituents is interrupted and not marketed for a period of twelve (12) months, and there is no producing well on the Leasehold or lands pooled/unitized therewith Lessee shall thereafter as Royalty for constructive production pay a Shut in Royalty equal in amount and frequency to the annual Delay Rental payment until such time as production is re established (or Lessee surrenders the Lease) and this Lease shall remain in full force and effect During Shut in Lessee shall have the right to rework, stimulate or deepen any well on the Leasehold or to drill a new well on the Leasehold in an effort to re establish production, whether from an original producing formation or from a different formation In the event that the production from the only producing well on the Leasehold is interrupted for a period of less than twelve (12) months, this Lease shall remain in full force and effect without payment of Royalty or Shut in Royalty

(E) DAMAGES Lessee will remove unnecessary equipment and materials and reclaim all disturbed lands at the completion of activities and Lessee agrees to repair any damaged improvements to the land and pay for the loss of growing crops or marketable timber

(F) MANNER OF PAYMENT Lessee shall make or tender all payments due hereunder by check, payable to Lessor at Lessor's last known address and Lessee may withhold any payment pending notification by Lessor of a change in address Payment may be tendered by mail or any comparable method (e.g. Federal Express) and payment is deemed complete upon mailing or dispatch Where the due date for any payment specified herein falls on a holiday Saturday or Sunday payment tendered (mailed or dispatched) on the next business day is timely

(G) CHANGE IN LAND OWNERSHIP Lessee shall not be bound by any change in the ownership of the Leasehold until furnished with such documentation as Lessee may reasonably require Pending the receipt of documentation Lessee may elect either to continue to make or withhold payments as if such a change had not occurred

(H) TITLE If Lessee receives evidence that Lessor does not have title to all or any part of the rights herein leased, Lessee may immediately withhold payments that would be otherwise due and payable hereunder to Lessor until the adverse claim is fully resolved

(I) LIENS Lessee may at its option pay and discharge any past due taxes mortgages judgments or other liens and encumbrances on or against any land or interest included in the Leasehold and Lessee shall be entitled to recover from the debtor with legal interest and costs by deduction from any future payments to Lessor or by any other lawful means

(J) CHARACTERIZATION OF PAYMENTS Payments set forth herein are covenants not special limitations regardless of the manner in which these payments may be invoked Any failure on the part of the Lessee to timely or otherwise properly tender payment can never result in an automatic termination expiration cancellation or forfeiture of this Lease Lessor recognizes and acknowledges that oil and gas lease payments in the form of rental bonus and royalty can vary depending on multiple factors and that this Lease is the product of good faith negotiations Lessor hereby agrees that the payment terms as set forth herein and any bonus payments paid to Lessor constitute full consideration for the Leasehold Lessor further agrees that such payment terms and bonus payments are final and that Lessor will not seek to amend or modify the lease payments, or seek additional consideration based upon any of the differing terms which Lessee has or will negotiate with any other lessor/oil and gas owner

(K) PAYMENT REDUCTIONS If Lessor owns a lesser interest in the oil or gas than the entire undivided fee simple estate then the rentals (except for Delay Rental payments as set forth above) royalties and shut in royalties hereunder shall be paid to Lessor only in the proportion which Lessor's interest bears to the whole and undivided fee

UNITIZATION AND POOLING Lessor grants Lessee the right to pool unitize or combine all or parts of the Leasehold with other lands whether contiguous or not contiguous leased or unleased, whether owned by Lessee or by others at a time before or after drilling to create drilling or production units either by contract right or pursuant to governmental authorization Pooling or unitizing in one or more instances shall not exhaust Lessee's pooling and unitizing rights hereunder and Lessee is granted the right to change the size shape and conditions of operation or payment of any unit created Lessor agrees to accept and receive out of the production or the revenue realized from the production of such unit, such proportional share of the Royalty from each unit well as the number of Leasehold acres included in the unit bears to the total number of acres in the unit Otherwise as to any part of the unit, drilling operations in preparation for drilling production or shut in production from the unit, or payment of Royalty Shut in Royalty Delay in Marketing payment or Delay Rental attributable to any part of the unit (including non Leasehold land) shall have the same effect upon the terms of this Lease as if a well were located on or the subject activity attributable to the Leasehold In the event of conflict or inconsistency between the Leasehold acres ascribed to the Lease and the local property tax assessment calculation of the lands covered by the Lease Lessee may at its option, rely on the latter as being determinative for the purposes of this paragraph

FACILITIES Lessee shall not drill a well within 200 feet of any structure located on the Leasehold without Lessor's written consent Lessor shall not erect any building or structure or plant any trees within 200 feet of a well or within 25 feet of a pipeline without Lessee's written consent Lessor shall not improve modify degrade or restrict roads and facilities built by Lessee without Lessee's written consent

CONVERSION TO STORAGE Lessee is hereby granted the right to convert the Leasehold or lands pooled/unitized therewith to gas storage At the time of conversion Lessee shall pay Lessor's proportionate part for the estimated recoverable gas remaining in any well drilled pursuant to this Lease using methods of calculating gas reserves as are generally accepted by the natural gas industry and in the event that all wells on the Leasehold and/or lands pooled/unitized therewith have permanently ceased production Lessor shall be paid a Conversion to Storage payment in an amount equal to Delay Rental for as long thereafter as the Leasehold or lands pooled/unitized therewith is/are used for gas storage or for protection of gas storage such Conversion to Storage payment shall first become due upon the next ensuing Delay Rental anniversary date The use of any part of the Leasehold or lands pooled or unitized therewith for the underground storage of gas or for the protection of stored gas will extend this Lease beyond the primary term as to all rights granted by this Lease including but not limited to production rights regardless of whether the production and storage rights are owned together or separately

TITLE AND INTERESTS Lessor hereby warrants generally and agrees to defend title to the Leasehold and covenants that Lessee shall have quiet enjoyment hereunder and shall have benefit of the doctrine of after acquired title Should any person having title to the Leasehold fail to execute this Lease the Lease shall nevertheless be binding upon all persons who do execute it as Lessor

LEASE DEVELOPMENT There is no implied covenant to drill prevent drainage further develop or market production within the primary term or any extension of term of this Lease There shall be no Leasehold forfeiture termination expiration or cancellation for failure to comply with said implied covenants Provisions herein, including, but not limited to the prescribed payments, constitute full compensation for the privileges herein granted

COVENANTS This Lease and its expressed or implied covenants shall not be subject to termination forfeiture of rights or damages due to failure to comply with obligations if compliance is effectively prevented by federal state or local law regulation, or decree or the acts of God and/or third parties over whom Lessee has no control

RIGHT OF FIRST REFUSAL If at any time within the primary term of this lease or any continuation thereof Lessor receives any bona fide offer acceptable to Lessor to grant an additional lease (Top Lease) covering all or part of the Leasehold, Lessee shall have the continuing option by meeting any such offer to acquire a Top Lease on equivalent terms and conditions Any offer must be in writing and must set forth the proposed Lessee's name bonus consideration and royalty consideration to be paid for such Top Lease and include a copy of the lease form to be utilized reflecting all pertinent and relevant terms and conditions of the Top Lease Lessee shall have fifteen (15) days after receipt from Lessor of a complete copy of any such offer to advise Lessor in writing of its election to enter into an oil and gas lease with Lessor on equivalent terms and conditions If Lessee fails to notify Lessor within the aforesaid fifteen (15) day period of its election to meet any such bona fide offer Lessor shall have the right to accept said offer Any Top Lease granted by Lessor in violation of this provision shall be null and void

ARBITRATION In the event of a disagreement between Lessor and Lessee concerning this Lease performance thereunder or damages caused by Lessee's operations, the resolution of all such disputes shall be determined by arbitration in accordance with the rules of the American Arbitration Association All fees and costs associated with the arbitration shall be borne equally by Lessor and Lessee

ENTIRE CONTRACT The entire agreement between Lessor and Lessee is embodied herein No oral warranties representations, or promises have been made or relied upon by either party as an inducement to or modification of this Lease

TITLE CURATIVE Lessor agrees to execute affidavits ratifications amendments permits and other instruments as may be necessary to carry out the purpose of this lease

SURRENDER Lessee at any time and from time to time may surrender and cancel this Lease as to all or any part of the Leasehold by recording a Surrender of Lease and thereupon this Lease and the rights and obligations of the parties hereunder shall terminate as to the part so surrendered provided however that upon each surrender as to any part of the Leasehold Lessee shall have reasonable and convenient easements for then existing wells pipelines pole lines roadways and other facilities on the lands surrendered

SUCCESSORS All rights duties and liabilities herein benefit and bind Lessor and Lessee and their heirs successors and assigns

FORCE MAJEURE All express or implied covenants of this Lease shall be subject to all applicable laws, rules, regulations and orders When drilling reworking production or other operations hereunder or Lessee's fulfillment of its obligations hereunder are prevented or delayed by such laws rules regulations or orders or by inability to obtain necessary permits equipment, services material water electricity fuel access or easements or by fire flood, adverse weather conditions war sabotage rebellion insurrection riot, strike or labor disputes or by inability to obtain a satisfactory market for production or failure of purchasers or carriers to take or transport such production or by any other cause not reasonably within Lessee's control this Lease shall not terminate in whole or in part, because of such prevention or delay and, at Lessee's option the period of such prevention or delay shall be added to the term hereof Lessee shall not be liable in damages for breach of any express or implied covenants of this Lease for failure to comply therewith, if compliance is prevented by or failure is the result of any applicable laws rules, regulations or orders or operation of force majeure

SEVERABILITY This Lease is intended to comply with all applicable laws rules regulations ordinances and governmental orders If any provision of this Lease is held by a court of competent jurisdiction to be invalid, void, or unenforceable the remaining provisions shall survive and continue in full force and effect to the maximum extent allowed by law If a court of competent jurisdiction holds any provision of this Lease invalid, void, or unenforceable under applicable law the court shall give the provision the greatest effect possible under the law and modify the provision so as to conform to applicable law if that can be done in a manner which does not frustrate the purpose of this Lease

COUNTERPARTS This Lease may be executed in one or more counterparts, each of which will be deemed to be an original copy of this Lease and all of which when taken together will be deemed to constitute one and the same agreement

IF THIS LEASE BECOMES FORFEITED, TERMINATED, OR EXPIRES, THE LESSEE, OR IF THE LEASE HAS BEEN ASSIGNED, THE ASSIGNEE IS REQUIRED TO PROVIDE A DOCUMENT CANCELING THE LEASE AS OF THE RECORD, AT NO COST TO THE CURRENT LANDOWNER. IF THE LESSEE OR ASSIGNEE FAILS TO CANCEL THE LEASE, THE CURRENT LANDOWNER MAY COMPEL A CANCELLATION PURSUANT TO SECTION 15-304 OF THE GENERAL OBLIGATION LAW

THIS IS A LEASE OF OIL AND GAS RIGHTS, NOT A SALE, CONTAINING TERMS THAT MAY BE NEGOTIATED BY YOU YOU HAVE THE RIGHT TO CANCEL THIS LEASE WITHIN THREE BUSINESS DAYS AFTER EXECUTION OF THE LEASE BY NOTIFYING THE LESSEE THAT YOU HAVE CANCELED THIS CONTRACT IN ORDER TO CANCEL THIS LEASE, YOU MUST EXECUTE A NOTICE OF CANCELLATION IN THE FORM PROVIDED BELOW, MAIL IT TO THE LESSEE AND REFUND ALL AMOUNTS PAID TO YOU BY THE LESSEE WITHIN THE THREE-DAY CANCELLATION PERIOD THE MAILING MUST BE POSTMARKED WITHIN THE THREE-DAY CANCELLATION PERIOD TO BE EFFECTIVE

NOTICE OF CANCELLATION

I/WE HEREBY CANCEL THIS LEASE

DATED

SIGNATURE

THE PERSON PRESENTING THIS LEASE TO YOU IS ☐ NOT ☒ A MEMBER OF THE AMERICAN ASSOCIATION OF PROFESSIONAL LANDMEN AND THEREFORE IS ☐ IS NOT ☒ SUBJECT TO A CODE OF CONDUCT IF THE PERSON PRESENTING THIS LEASE TO YOU IS SUBJECT TO A CODE OF CONDUCT, A COPY OF THE CODE OF CONDUCT MUST BE PRESENTED TO YOU WITH THIS LEASE IF APPLICABLE, THE CODE OF CONDUCT PROVIDES A DISPUTE RESOLUTION MECHANISM FOR ANY DISPUTE THAT YOU MAY HAVE REGARDING THE MANNER BY WHICH THIS LEASE WAS PRESENTED TO YOU IF YOU HAVE ANY SUCH DISPUTE, YOU MAY INVOKE THE DISPUTE RESOLUTION MECHANISM OF THE CODE OF CONDUCT BY CONTACTING THE PERSON OR PERSONS DESIGNATED IN THE CODE OF CONDUCT THE FAILURE OF THE LESSEE TO PAY ANY ROYALTIES TO YOU AS REQUIRED UNDER THE TERMS OF THE LEASE FOR A PERIOD OF FOUR CONSECUTIVE MONTHS OR MORE SHALL BE A DEFAULT UNLESS OTHERWISE PROVIDED BY LAW, AND WILL RESULT IN CANCELLATION OF THE LEASE APPLICABLE TO THE TARGET FORMATION OF THE WELL WITHIN THE SPACING UNIT, FOLLOWING WRITTEN NOTIFICATION TO THE LESSEE OF YOUR INTENT TO CANCEL AND SIXTY DAYS FOR THE LESSEE TO CURE THE DEFAULT IF THE LESSEE HAS A BONA FIDE DISPUTE REGARDING THE GROUNDS FOR CANCELLATION, SUCH DISPUTE AND THE REASONS THEREFOR MUST BE PROVIDED TO YOU IN WRITING OR THE DEFAULT MUST BE CURED WITHIN SUCH SIXTY-DAY PERIOD OTHERWISE THE LEASE SHALL BE CANCELED

See "Exhibit A" attached hereto and made a part hereof

IN WITNESS WHEREOF Lessor hereunto sets hand and seal


Subscribing Witness


Jason Crook

Subscribing Witness

Jason Crook

(Seal)


John R. Kallenborn

(Seal)


Mary E. Kallenborn

ACKNOWLEDGEMENT OF SUBSCRIBING WITNESS

State of New York

County of Steuben SS

On the 3 day of March in the year 2010 before me the undersigned a Notary Public in and for said State personally appeared **Jason Crook**, the subscribing witness to the foregoing instrument, with whom I am personally acquainted who being by me duly sworn did depose and say that he resides in **Corning, New York**, that he knows **John R. Kallenborn and Mary E Kallenborn** to be the individual described in and who executed the foregoing instrument that said subscribing witness was present and saw said **John R. Kallenborn and Mary E Kallenborn**, execute the same and that said witness at the same time subscribed his name as a witness thereto

My commission expires 4/26/11

Signature / Notary Public Deanna L Swan

Name / Notary Public (print) Deanna L Swan

Deanna L. Swan
Notary Public in The State New York
Steuben County
Commission Expires April 26 2011

Exhibit "A"

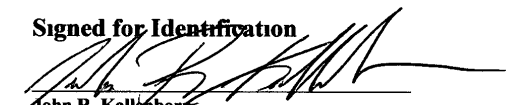
Attached to and made a part of that certain Oil and Gas Lease dated **March 1, 2010**, by and between **John R Kallenborn and Mary E Kallenborn, husband and wife**, whose address is **930 Watercure Hill Road, Elmira, New York 14901** (Lessor) and **Chesapeake Appalachia, L L C , an Oklahoma Limited Liability Company** (Lessee), covering **2 73** acres, more or less, situated in **Horseheads Township, Chemung County, New York**,

The following agreements and provisions shall supersede and govern the provisions in the printed form text of this lease to the contrary, and shall inure to the benefit of and be binding upon the parties hereto and their respective heirs, representatives successors and assigns

No Surface Operations Clause

The parties hereto agree that without a separate written agreement or order Lessee shall not have the right to drill wells, construct pipelines, construct access roads and/or install any other facilities on the herein described leased premises

Signed for Identification

A handwritten signature in black ink, appearing to read "John R. Kallenborn", written over a horizontal line.

John R. Kallenborn

A handwritten signature in black ink, appearing to read "Mary E. Kallenborn", written over a horizontal line.

Mary E Kallenborn